SEQUENCE LISTING

<110> The Burnham Institute
Shinshu University
Nakayama, Jun
Kawakubo, Masatomo
Fukuda, Minoru
Katsuyama, Tsutomu

<120> Antimicrobial Carbohydrates and Methods of Using Same

<130> BURN1110WO

<150> 60/546,600

<151> 2004-02-20

<160> 1

<170> PatentIn version 3.1

<210> 1

<211> 400

<212> PRT

<213> Homo sapiens

<400> 1

Met Ala Thr Leu Leu Leu Leu Gly Val Leu Val Val Ser Pro Asp 1 5 10 15

Ala Leu Gly Ser Thr Thr Ala Val Gln Thr Pro Thr Ser Gly Glu Pro
20 25 30

Leu Val Ser Thr Ser Glu Pro Leu Ser Ser Lys Met Tyr Thr Thr Ser 35 40 45

Ile Thr Ser Asp Pro Lys Ala Asp Ser Thr Gly Asp Gln Thr Ser Ala 50 55 60

Leu Pro Pro Ser Thr Ser Ile Asn Glu Gly Ser Pro Leu Trp Thr Ser 65 70 75 80

Ile Gly Ala Ser Thr Gly Ser Pro Leu Pro Glu Pro Thr Thr Tyr Gln 85 90 95

Glu Val Ser Ile Lys Met Ser Ser Val Pro Gln Glu Thr Pro His Ala 100 105 110

Thr Ser His Pro Ala Val Pro Ile Thr Ala Asn Ser Leu Gly Ser His 115 120 125

Thr Val Thr Gly Gly Thr Ile Thr Thr Asn Ser Pro Glu Thr Ser Ser 130 135 140

Arg Thr Ser Gly Ala Pro Val Thr Thr Ala Ala Ser Ser Leu Glu Thr 150 Ser Arg Gly Thr Ser Gly Pro Pro Leu Thr Met Ala Thr Val Ser Leu 170 165 Glu Thr Ser Lys Gly Thr Ser Gly Pro Pro Val Thr Met Ala Thr Asp 185 180 Ser Leu Glu Thr Ser Thr Gly Thr Thr Gly Pro Pro Val Thr Met Thr 195 200 205 Thr Gly Ser Leu Glu Pro Ser Ser Gly Ala Ser Gly Pro Gln Val Ser 210 215 220 Ser Val Lys Leu Ser Thr Met Met Ser Pro Thr Thr Ser Thr Asn Ala 230 235 240 225 Ser Thr Val Pro Phe Arg Asn Pro Asp Glu Asn Ser Arg Gly Met Leu 245 250 Pro Val Ala Val Leu Val Ala Leu Leu Ala Val Ile Val Leu Val Ala 260 265 ' 270 Leu Leu Leu Trp Arg Arg Gln Lys Arg Arg Thr Gly Ala Leu 275 280 285 Val Leu Ser Arg Gly Gly Lys Arg Asn Gly Val Val Asp Ala Trp Ala 295 300 Gly Pro Ala Gln Val Pro Glu Glu Gly Ala Val Thr Val Thr Val Gly 305 310 315 Gly Ser Gly Gly Asp Lys Gly Ser Gly Phe Pro Asp Gly Glu Gly Ser 325 330 Ser Arg Arg Pro Thr Leu Thr Thr Phe Phe Gly Arg Arg Lys Ser Arg Gln Gly Ser Leu Ala Met Glu Glu Leu Lys Ser Gly Ser Gly Pro Ser 360 Leu Lys Gly Glu Glu Pro Leu Val Ala Ser Glu Asp Gly Ala Val

375

370

380

WO 2005/081904 PCT/US2005/005407 3/3

Asp Ala Pro Ala Pro Asp Glu Pro Glu Gly Gly Asp Gly Ala Ala Pro 385 390 395 400